

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:	WASILEWSKI ET AL.	ART GROUP:	2131
APPLN. NO.	10/602,987	EXAMINER:	CHAI, LONGBIT
FILED:	JUNE 25, 2003	DOCKET NO.:	A-8919
TITLE:	METHOD FOR PARTIALLY ENCRYPTING PROGRAM DATA		

November 10, 2006

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

- ☐ under 37 CFR 1.97(b), or
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☒ under 37 CFR 1.97(c) together with either a:
☐ Statement Under 37 C.F.R. 1.97(e), or
☒ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(i)(1).
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge \$180.00 to deposit account 19-0761. At any time during the pendency of this application, please charge any fees required to Deposit Account 19-0761 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 19-0761.

- ☒ Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.
- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR

1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

By: _____



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SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.
Intellectual Property Dept. MS 4.3.518
5030 Sugarloaf Parkway
Lawrenceville, GA 30044

Form PTO-1449		U.S. Dept. of Commerce, Patent and Trademarks					
LIST OF ART CITED BY APPLICANT							
(Use several sheets if necessary)							
Attorney Docket No. A-8919		Serial No. 10/602,987			Filing Date JUNE 25, 2003		
Applicant: WASILEWSKI ET AL.				Group 2131			
U.S. PATENT DOCUMENTS							
Examiner's Initial		Document No.	Date	Name	Class	Subclass	
	AA	5,418,782	5/23/95	Wasilewski	370	73	
	AB	5,420,866	5/30/95	Wasilewski	370	110.1	
	AC	6,009,116	12/28/99	Bednarek et al.	375	200	
	AD	6,108,365	8/22/00	Rubin et al.	375	130	
	AE	2002/0188567	12/12/02	Candelore	705	51	
	AF	2002/0194613	12/19/02	Unger	725	118	
	AG	2002/0196939	12/26/02	Unger et al.	380	216	
	AH	2003/0016949	1/23/03	Unger	386	94	
	AI	2003/0021412	1/30/03	Candelore et al.	380	217	
	AJ	2003/0026423	2/6/03	Unger et al.	380	217	
	AK	2003/0046686	3/6/03	Candelore et al.	725	31	
	AL	2003/0081776	5/1/03	Candelore	380	200	
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation
	AM						
	AN						
	AO						
	AP						
OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)							
	AQ						
	AR						
	AS						
EXAMINER /Longbit Chai/				DATE CONSIDERED: 12/01/2009			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to Applicant.							

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Exami ner's Initial		Document No.	Date	Name	Class	Subclass	
	AA	4,155,042	5/15/79	Permut et al.			
	AB	4,358,672	11/9/82	Hyatt et al.			
	AC	4,388,643	6/14/83	Aminetzah			
	AD	4,405,829	9/20/83	Rivest et al.			
	AE	4,531,020	6/23/95	Weschelberger et al.			
	AF	4,600,921	7/15/86	Thomas et al.			
	AG	4,613,901	9/23/86	Gilhousen et al.			
	AH	4,634,807	1/6/87	Chorley et al.			
	AI	4,649,533	3/10/97	Chorley et al.			
	AJ	4,658,093	4/14/87	Hellman			
	AK	4,712,238	12/8/87	Gilhousen et al.			
	AL	4,712,239	12/8/87	Frezza			
	AM	4,736,422	4/5/88	Mason			
	AN	4,823,385	4/18/89	Hegendörfer			
	AO	4,864,615	9/5/89	Bennett et al.			
	AP	4,866,770	9/12/89	Seth-Smith et al.			
	AQ	4,885,777	12/5/89	Takaragi et al.			
	AR	4,887,296	12/12/89	Horne			

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Exami ner's Initial		Document No.	Date	Name	Class	Subclass
	AS	4,912,762	3/27/90	Lee et al.		
	AT	4,982,430	1/1/91	Frezza et al.		
	AU	4,993,068	2/12/91	Piosenka et al		
	AV	5,003,591	3/26/91	Kauffman		
	AW	5,018,196	5/21/91	Takaragi et al.		
	AX	5,029,207	7/2/91	Gammie		
	AY	5,036,537	7/30/91	Jeffers et al.		
	AZ	5,073,935	12/17/91	Pastor		
	BA	5,124,117	6/23/92	Tatebayashi et al.		
	BB	5,142,578	8/25/92	Matyas et al.		
	BC	5,151,782	9/29/92	Ferraro		
	BD	5,155,591	10/13/92	Wachob		
	BE	5,175,765	12/29/92	Perlman		
	BF	5,231,665	7/27/93	Auld et al.		
	BG	5,235,643	8/10/93	Anderson et al.		
	BH	5,237,610	8/17/93	Gammie et al.		
	BI	5,243,652	9/7/93	Teare et al.		
	BJ	5,249,230	9/28/93	Mihm, Jr.		

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	BK	5,270,822	12/14/93	Choi		
	BL	5,282,248	1/25/91	DeJoy		
	BM	5,282,249	1/25/94	Cohen et al.		
	BN	5,285,497	2/8/94	Thatcher, Jr.		
	BO	5,301,233	4/5/94	Coutrot et al.		
	BP	5,341,425	8/23/94	Wasilewski et al.		
	BQ	5,343,527	8/30/94	Moore		
	BR	5,381,477	1/10/95	Beyers III et al.		
	BS	5,381,481	1/10/95	Gammie et al.		
	BT	5,400,401	3/21/95	Wasilewski et al.		
	BU	5,402,490	3/28/95	Mihm, Jr.		
	BV	5,414,773	5/9/95	Handelman		
	BW	5,420,866	5/30/95	Wasilewski		
	BX	5,425,101	6/13/95	Woo et al.		
	BY	5,432,542	7/11/95	Thibadeau et al.		
	BZ	5,440,633	8/8/95	Augustine et al.		
	CA	5,465,299	11/7/95	Matsumoto et al.		
	CB	5,473,692	12/5/95	Davis		

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Exami ner's Initial		Document No.	Date	Name	Class	Subclass
	CC	5,481,542	1/2/96	Logston et al.		
	CD	5,481,613	1/2/96	Ford et al.		
	CE	5,488,410	1/30/96	Lieberfarb et al.		
	CF	5,497,422	3/5/96	Tysen et al.		
	CG	5,499,294	3/12/96	Friedman		
	CH	5,499,295	3/12/96	Cooper		
	CI	5,506,904	4/9/96	Sheldrick et al.		
	CJ	5,509,073	4/16/96	Monnin et al.		
	CK	5,519,780	5/21/96	Woo et al.		
	CL	5,524,052	6/4/96	Augustine et al.		
	CM	5,550,984	8/27/96	Gelb		
	CN	5,557,678	9/17/96	Ganesan		
	CO	5,557,765	9/17/96	Lipner et al.		
	CP	5,588,058	12/24/96	Le Berre		
	CQ	5,559,889	9/24/96	Easter et al.		
	CR	5,563,950	10/8/96	Easter et al.		
	CS	5,565,909	10/15/96	Thibadeau et al.		
	CT	5,568,552	10/22/96	Davis		

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Exami ner's Initial		Document No.	Date	Name	Class	Subclass
	CU	5,568,554	10/22/96	Eastlake 3rd		
	CV	5,583,939	12/10/96	Chang et al.		
	CW	5,590,202	12/31/96	Bestler et al.		
	CX	5,621,793	4/15/97	Bednarek et al.		
	CY	5,671,276	9/23/97	Eyer et al.		
	CZ	5,675,649	10/7/97	Brennan et al.		
	DA	5,740,246	4/14/98	Saito		
	DB	5,742,677	4/21/98	Pinder et al.		
	DC	5,764,770	6/9/98	Schipper et al.		
	DD	5,787,172	7/28/98	Arnold		
	DE	5,857,020	1/5/99	Peterson, Jr.		
	DF	5,862,220	1/19/99	Perlman		
	DG	5,870,474	2/9/99	Wasilewski et al.		
	DH	5,920,626	7/6/99	Durden et al.		
	DI	6,005,938	12/21/99	Banker et al.		
	DJ	6,105,134	8/15/00	Pinder et al.		
	DK	6,246,767	6/12/01	Akins, III et al.		

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	DL	RE33,189	3/27/90	Lee et al.			
	DM	RE33,808	1/28/92	Wright, Jr.			
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation
	DN	EP 0 723 371 A	7/24/96	Europe			
	DO	EP 0 752 786 A	1/8/97	Europe			
	DP	WO 94/13107 A	6/9/94	PCT International			
	DQ	WO 95/29560 A	11/2/95	PCT International			
OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)							
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	DR	ISO/IEC 13818-1, "Information Technology – Generic Coding of Moving Pictures and Associated Audio Systems," Draft of: November 13, 1994.					
	DS	ISO/IEC JTC1/SC29/WG11, "Universal Multi-Program Multiplex and Transport for MPEG-2 Systems," January 1993.					
	DT	ISO/IEC JTC1/SC29/WG11, "An MEG-2 Multi-Program Multiplex Syntax," January 1993.					
	DU	ISO/IEC JTC1/SC2/WG11, "Requirements and Method for High-Level Multiplexing of MPEG and Other Digital Service Bitstreams with Universal Transport Layer," November 1992.					
	DV	Whitfield, Diffie, "Authentication and Authenticated Key Exchanges," DESIGNS, CODES AND CRYPTOGRAPHY, An International Journal, Vol. 2, No. 2, June 1992, pages 107-125.					
	DW	Schneier, Bruce, "Applied Cryptography Second Edition: Protocols, Algorithms and Source Code in C," pages 357-363.					

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	DX	Menezes, Alfred J., "Handbook of Applied Cryptography," pages 506-525.				
	DY	TM-1244 Rev. 4, "Final Technical Report of the Conditional Access Specialist Group," November 17, 1994.				
	DZ	Coutrot et al., "A Single Conditional Access System for Satellite-Cable and Terrestrial TV," IEEE Transactions on Consumer Electronics, Vol. 35, No. 3, August 1989, pages 464-468.				
	EA	Louis Claude Guillou and Jean-Luc Giachetti, "Encipherment and Conditional Access," SMPTE Journal, 103 (1994) June, No. 6, White Plains, NY.				
	EB					
	EC					
	ED					
	EE					
	EF					
	EG					
	EH					
	EI					
	EJ					
EXAMINER /Longbit Chai/				DATE CONSIDERED: 12/01/2009		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to Applicant.						